

## SEQUENCE LISTING

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<120> Mutant ilvH gene and Method for producing L-valine

<130> OP969

<141> 2000- -

<150> RU-2000101678  
 <151> 2000-01-26

<160> 8

<170> PatentIn Ver. 2.0

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 <213> Escherichia coli

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tcc cgc gtg att ggc ctt ttt tcc cag cgt ggc tac aac att gaa agc	96
Ser Arg Val Ile Gly Leu Phe Ser Gln Arg Gly Tyr Asn Ile Glu Ser	
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ctg acc gtt gcg cca acc gac gat ccg aca tta tcg cgt atg acc atc	144
Leu Thr Val Ala Pro Thr Asp Asp Pro Thr Leu Ser Arg Met Thr Ile	
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cag acc gtg ggc gat gaa aaa gta ctt gag cag atc gaa aag caa tta	192
Gln Thr Val Gly Asp Glu Lys Val Leu Glu Gln Ile Glu Lys Gln Leu	
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cac aaa ctg gtc gat gtc ttg cgc gtg agt gag ttg ggg cag ggc gcg	240
His Lys Leu Val Asp Val Leu Arg Val Ser Glu Leu Gly Gln Gly Ala	
65 70 75 80	
cat gtt gag cgg gaa atc atg ctg gtg aaa att cag gcc agc ggt tac	288
His Val Glu Arg Glu Ile Met Leu Val Lys Ile Gln Ala Ser Gly Tyr	
85 90 95	
ggg cgt gac gaa gtg aaa cgt aat acg gaa ata ttc cgt ggg caa att	336
Gly Arg Asp Glu Val Lys Arg Asn Thr Glu Ile Phe Arg Gly Gln Ile	
100 105 110	
atc gat gtc aca ccc tcg ctt tat acc gtt caa tta gca ggc acc agc	384
Ile Asp Val Thr Pro Ser Leu Tyr Thr Val Gln Leu Ala Gly Thr Ser	
115 120 125	
ggt aag ctt agt gca ttt tta gca tcg att cgc gat gtg gcg aaa att	432
Gly Lys Leu Ser Ala Phe Leu Ala Ser Ile Arg Asp Val Ala Lys Ile	
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Val Glu Val Ala Arg Ser Gly Val Val Gly Leu Ser Arg Gly Asp Lys	
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&lt;212&gt; PRT

<213> Escherichia coli

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Leu Thr Val Ala Pro Thr Asp Asp Pro Thr Leu Ser Arg Met Thr Ile  
35 40 45

Gln Thr Val Gly Asp Glu Lys Val Leu Glu Gln Ile Glu Lys Gln Leu  
50 55 60

His Lys Leu Val Asp Val Leu Arg Val Ser Glu Leu Gly Gln Gly Ala  
65 70 75 80

His Val Glu Arg Glu Ile Met Leu Val Lys Ile Gln Ala Ser Gly Tyr  
85 90 95

Gly Arg Asp Glu Val Lys Arg Asn Thr Glu Ile Phe Arg Gly Gln Ile  
100 105 110

Ile Asp Val Thr Pro Ser Leu Tyr Thr Val Gln Leu Ala Gly Thr Ser  
115 120 125

Gly Lys Leu Ser Ala Phe Leu Ala Ser Ile Arg Asp Val Ala Lys Ile  
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Ile Met Arg

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<212> DNA

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<223> Description of Artificial Sequence:primer for PCR

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